

***LineUp With Math™* Alignment**
Missouri Mathematics
Grade-Level Expectations

Strand: Number and Operations

1. Understand numbers, ways of representing numbers, relationships among numbers and number systems.

B. Represent and use rational numbers

Grade-Level Expectation

Use fractions, decimals and percents to solve problems. (MA 1 3.4)

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

3. Compute fluently and make reasonable estimates

E. Use proportional reasoning

Grade-Level Expectation

Solve problems involving proportions, such as scaling and finding equivalent ratios. (MA 1 3.3)

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

Strand: Algebraic Relationships

4. Analyze change in various contexts

A. Analyze change

Grade-Level Expectation

Analyze the nature of changes (including slope and intercepts) in quantities in linear relationships. (MA 2,4 1.6,4.1)

***LineUp With Math™* Activities**

--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.

Strand: Geometric and Spatial Relationships	
4. Use visualization, spatial reasoning and geometric modeling to solve problems.	
<i>B. Draw and use visual models</i>	
Grade-Level Expectation Draw or use visual models to represent and solve problems (MA 2 3.1)	<i>LineUp With Math™</i> Activities --Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.